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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,298	06/21/2005	Scott D. Setzler	20030017	1065
22500	7590 06/20/2006		EXAMINER	
BAE SYSTEMS INFORMATION AND			RODRIGUEZ, ARMANDO	
ELECTRONI 65 SPIT BRO	C SYSTEMS INTEGRA OK ROAD	ATION INC.	ART UNIT	PAPER NUMBER
P.O. BOX 86			2828	
NASHUA, N	IH 03061-0868		D . MD	

DATE MAILED: 06/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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,	Application No.	Applicant(s)	
	10/540,298	SETZLER, SCOTT D.	
Office Action Summary	Examiner	Art Unit	
ı.	ARMANDO RODRIGUEZ	2828	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet wi	th the correspondence address	,
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perion. - Failure to reply within the set or extended period for reply will, by stat Any reply received by the Office later than three months after the may earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNION 1.136(a). In no event, however, may a round will apply and will expire SIX (6) MON tute, cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this communicat (ANDONED) (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on <u>05</u>	April 2006.		
2a) This action is FINAL . 2b) ⊠ Ti	nis action is non-final.		
3) ☐ Since this application is in condition for allow	vance except for formal matt	ers, prosecution as to the merits	is
closed in accordance with the practice unde	r <i>Ex parte Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-4,6-11 and 13-28 is/are pending 4a) Of the above claim(s) is/are withd	• •		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-4, 6-11, 14-16, 20-28</u> is/are rejec	ted.		
7) Claim(s) <u>13 and 17-19</u> is/are objected to.			
8) Claim(s) are subject to restriction and	l/or election requirement.		
Application Papers			
9) The specification is objected to by the Exami	ner.		
10)☐ The drawing(s) filed on is/are: a)☐ a	ccepted or b)☐ objected to	by the Examiner.	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the corn 11) The oath or declaration is objected to by the	,	· · · · ·	
	Examinor. Note the attached	2 011100 7101011 01 101111 7 10 102.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for forei a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume	ents have been received. ents have been received in A riority documents have been	pplication No	
* See the attached detailed Office action for a li	ist of the certified copies not	received.	
Augustus and Co			
Attachment(s) 1) Notice of References Cited (PTO-892)	4) \Box Interview S	Summary (PTO-413)	
 Notice of Preferences Gled (170-032) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/IPaper No(s)/Mail Date 	Paper No(s	s)/Mail Date nformal Patent Application (PTO-152)	

Application/Control Number: 10/540,298

Art Unit: 2828

DETAILED ACTION

Response to Amendment

Claims 1-4, 6-11, 13-28 are pending.

Claims 5 and 12 have been canceled.

Claim Objections

Claim 11 is objected to because of the following informalities: "nonometers" should read as nanometers. Appropriate correction is required.

Claim 18 is objected to because of the following informalities: the dependency of claim 18 should read as "17". Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4, 6-11, 14-16, 20-28 are rejected under 35 U.S.C. 102(b) as being anticipated by Sobey et al (US 5,457,707).

Regarding claims 1, 4, 11, 14,

Figure 1 illustrates a tunable laser system having a pump laser (14) [applicant's pumping] for pumping optical parametric oscillator (OPO) (10) and OPO (12), where the

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pump beam has a line width of 0.02 cm⁻¹ [applicant's line width], which when converted is 0.02 Angstrom [applicant's less than 5 nanometers], column 5 lines 6-13. Column 4 lines 14-16 discloses the output beam within the range of 400 to 2500 nanometers [applicant's infrared].

Regarding claim 2, 6, 7, 16,

Figure 1 illustrates a pumping OPO (10), which provides a seed beam.

Regarding claims 3, 15, 22

Figure 2 represents OPO (10), which includes a BBO crystal (34) {applicant's non-collinearly phase matched}.

Regarding claims 8-10, 26, 27, 28,

Column 3 lines 54-64, discloses the pump source (14) providing a beam within the range of 400 to 2500 nanometers [applicant's 5 micron], where the pump beam has a line width of 0.02 cm⁻¹ [applicant's line width], which when converted is 0.02 Angstrom [applicant's less than 5 nanometers], column 5 lines 6-13.

Regarding claims 20, 21, 23, 24, 25,

Figure 1 illustrates a tunable laser system having a pump laser (14) [applicant's pumping] for pumping optical parametric oscillator (OPO) (10) and OPO (12), where the pump beam has a line width of 0.02 cm⁻¹ [applicant's line width], which when converted is 0.02 Angstrom [applicant's less than 5 nanometers], column 5 lines 6-13. Column 4 lines 14-16 discloses the output beam within the range of 400 to 2500 nanometers. Figure 1 illustrates a pumping OPO (10), which provides a seed beam.

Allowable Subject Matter

Claims 13, 17-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ARMANDO RODRIGUEZ whose telephone number is 571-272-1952. The examiner can normally be reached on 9:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MINSUN HARVEY can be reached on 571-272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ARMANDO RODRIGUEZ

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Primary Examiner
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